



AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A databus controller arrangement for controlling data flow ~~on~~ in a databus ~~(12)~~, said databus being operatively arranged to connecting connect at least one receiver unit (11) to ~~one or several~~ at least one transmitter units ~~(10) unit~~, characterized in that said arrangement, ~~being a part of said receiver unit (11), controls~~ wherein said controller arrangement is operatively arranged to control said a data flow, specially including an overflow condition at the receiver unit, on said databus by outputting using a control data sequence output on said databus to be received by said at least one transmitting units unit, wherein said control data sequence includes a blocking sequence for detecting collisions which alter transmission mode upon reception of said control data sequence.

2. (currently amended) The arrangement of claim 1,
~~characterized in~~
~~that~~ wherein said transmission on said databus uses a High-level Data Link Control (HDLC) protocol.

3. (currently amended) The arrangement of claim 1,
~~characterized in~~
~~that~~ wherein said control data sequence comprises logical zeros (0) or ones (1).

4. (currently amended) The arrangement according to claim 1,

~~characterized in~~

~~that including~~ several receiver units, ~~wherein are arranged and that~~ each receiver unit (40) comprises a processing unit (41), a memory unit (42), a bus driver (43) and a logical unit (44).

5. (currently amended) The arrangement of claim 4,

~~characterized in~~

~~that wherein~~ said receiver unit is connected to uplink databus (45) and that a stop signal (46) is directly connected to said uplink, whereby said logic unit (44) guarantees that said stop signal is only allowed between data frames.

6. (currently amended) The arrangement of claim 5,

~~characterized in~~

~~that wherein~~ said logic unit is arranged to monitor the received data traffic and control the stop signal from said processing unit, such that said control data sequence is output only when the bus is inactive.

7. (currently amended) The arrangement according to claim 1,

~~characterized in~~

~~that wherein~~ said transmission mode comprises one of transmission or blocked transmission.

8. (currently amended) A method for controlling dataflow on a databus, especially for avoiding reception problems by a receiver unit, said databus ~~(12)~~ connecting at least one receiver unit ~~(11)~~ to ~~at least one or several~~ transmitter units ~~(11)~~ unit, the method comprising the steps of transmitting by said receiver unit on said databus a control data sequence to be received by said at least one transmitting unit, wherein the control data sequence is used to control a data overflow condition at said receiver unit and includes a collision detection blocking sequence to be received by said transmitting units, which alter alters a transmission mode of said at least one transmitting unit upon reception of said control data sequence.

9. Canceled.

10. (previously presented) The method of claim 8, wherein said transmission on said databus uses a High-level Data Link Control (HDLC) protocol.

11. (previously presented) The method according to claim 8, wherein said data sequence comprises logical zeros (0) or ones (1).

12. (original) The method according to claim 8, wherein when the data traffic on said databus becomes so high that said receiver unit cannot handle the data, said data sequence is inserted in a data frame, such that when a transmitter unit, sending on said databus, receives the sequence it stops sending data.

13. (original) The method according to claim 8, wherein said transmitter stops sending data when it has transmitted its first logical one or zero.

14. (original) The method according to claim 13, wherein the transmission from a transmitter unit is stopped as long as the receiver unit outputs a different control data sequence on the databus, so that the transmitter units retransmit a stopped data message.

15. (previously presented) The method according to claim 8, wherein said transmission mode comprises one of transmission or blocked transmission.

16. (new) The arrangement of claim 1, wherein said controller arrangement is operatively arranged to use said control data sequence to alter a transmission mode of said at least one transmitting unit.